



Memorandum

To Steve Singer, EG&G

Date September 21, 1992

From

Jeff Jordan *Jeff*

304902 33 01 08

Subject

LANDFILL EXPLOSIVE GAS MONITORING

On September 18, 1992, landfill explosive gas monitoring was performed at wells 44292, 44392, 44492, 44592, 44692, and at six perimeter locations at the Rocky Flats Plant landfill. The monitoring was performed by Jeff Jordan and Patty Goodman. Monitoring for the Lower Explosive Limit (LEL) concentrations was performed utilizing a MSA MiniGard III air monitor calibrated for the LEL using methane calibration gas. An Hnu PI-101 with a 10.2 eV probe was also utilized to assist in determining the proper level of respiratory protection at the wells and perimeter locations. All data was recorded on the Landfill Explosive Gas Concentrations Baseline Data Collection form (attached). All readings represent a recording period of approximately 30 seconds. Any positive readings indicate an observed maximum concentration.

WELL MONITORING

LEL readings were taken at the well mouth, and one foot and ten feet from the well in a downwind position. Hnu readings were also recorded at the well mouth. LEL concentrations that were offscale (> 100% LEL) were recorded at the well mouth for wells 44292, 44492, and 44592. Normal LEL concentrations (0% LEL) were recorded at the well mouth for wells 44392 and 44692. The Hnu PI-101 did not record any Volatile Organic Compounds (VOCs) above a background of 0.4 ppm for any of the well locations.

PERIMETER MONITORING

LEL readings were taken at six perimeter locations around the landfill. Normal LEL concentrations (0% LEL), and normal Hnu readings (background, 0.4 ppm) were recorded at all perimeter locations.

Please refer to the attached Baseline Data Collection log and Field Activity Daily Log for further details. If you have any questions or need additional information, please do not hesitate to contact me.

JMJ:jmj
Attachments

REVIEWED FOR CLASSIFICATION/UCN

By

Jeff Jordan

Date

10/21/92

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